BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

package D2 in

Name Of Work :- Detailed Estimate for Annual Maintenance of Street Lights at Shettyhalli Surrounding area Package D-2 ward No 12 Shettyhalli

Budget Head 220902/P0300 M & R to Street lights - Replacement of burnt bulbs etc (Package).

Division No Dasarahalli Estimate No /M/21-22 = 3/12/2021 For Rs.= Rs. 2900000.00

Sl. No.	SR Page. No.	Description of Work	Unit	Qty.	Rate Per Year Rs. Ps.	Amount
1	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. **36/40 W fluorescent tube light street lighting system.**	Each	353	685.45	241963.85
2	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. **125W HPMV Park lighting system.**	Each	68	756.29	51427.72
3	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with **250W HPSV street lighting system.**	Each	1884	1019.41	1920568.44
4	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below **400 watts HPSV street light /High mast lighting system.**	Each	132	1118.08	147586.56
5	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **24 Watt to 40 Watt LED Park/ street lighting system.**	Each	5	880.01	4400.05

Executive Engineer (E&E)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

Junior Engineer (E&E)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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6	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **40 Watt to 65 W LED street Light lighting system.**	Each	182	1147.43	208832.26
7	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **90W LED street light lighting system.**	Each	55	1377.66	75771.30
8	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for**110/120 watt LED street light lighting system**	Each	1	1575.5	1575.50
9	AR VideNo SE(ELE/PR/676/2021-22 Dt:07.12.2021	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for **150/180 watt LED street light /High mast lighting system.**	Each	1	1871.51	1871.51
10	31/~~5.44~~/5.44.2	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.**300mmx450mmx214mm**	Each	5	5127.00	25635.00
11	26/~~5.13~~/5.13.4	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 **100 to 125Amps**	Each	15	7200.00	108000.00
12	27/~~5.17~~/5.17.3	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 **Amps SP**	Each	16	723.00	11568.00
13	32/5.18	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	18	4030.00	72540.00

JUNIOR ENGINEER (E&M) EXECUTIVE ENGINEER (E&M) Executive Engineer
Bangalore Mahanagara Palike Bangalore Mahanagara Palike Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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6 3/2.3/2.3.3	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.6 sqmm	Mtr	10	70.00	700.00
43/6.17.4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.6 sqmm	Each	100	7.00	700.00
	Total				2873140.19
	GST @12% 10,11,12,13,14,15			219143.00	26297.16
	Misleniuos				562.65
	Grand Total				2900000.00

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2019-20 / , BESCOM SR approved rates
5. The Above Work is not taken up in any Previous Grants .

Jr/Asst Engineer (Elec)

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
DASARAHALLI DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

ಸಂ 11 ಕಾ.ಆ.(ವ):ದಾ.ವ: 11 2021 - 2022
ದಿನಾಂಕ 20/3/22 ರೂ. 29.00 ಲಕ್ಷಗಳಿಗೆ
Twenty nine lakhs only
ಮಾಡು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಮಟ್ಟ ಸಂಖ್ಯೆ 36 ಕ್ರಮಸಂಖ್ಯೆ 11
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Technical Sanction for Rs. 29 lakhs/-
(Rupees : Twenty nine lakhs only
is accorded under head P-0300 M.E.
R to Street lights
Registered at SE (Ele) No. PRJ 691/2021-22 subject
to conditions contained in enclosed memo
No. SE/ELE/TS/128/ Date: 6/1/2022

SE (Electric...

TA

JE/AE

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